



# Pedestrian Safety Program at Michigan State University



# Campus Wide Results



# Results

**Reduction  
in crashes  
62%**

**Reduction  
in injuries  
83%**

**Accidents**

**Injuries**



# Crosswalks:

- Field review

- Problems

- too many

- not enough

- pie shaped

- parallel/zebra

- Developed a protocol

- Developed a marking standard

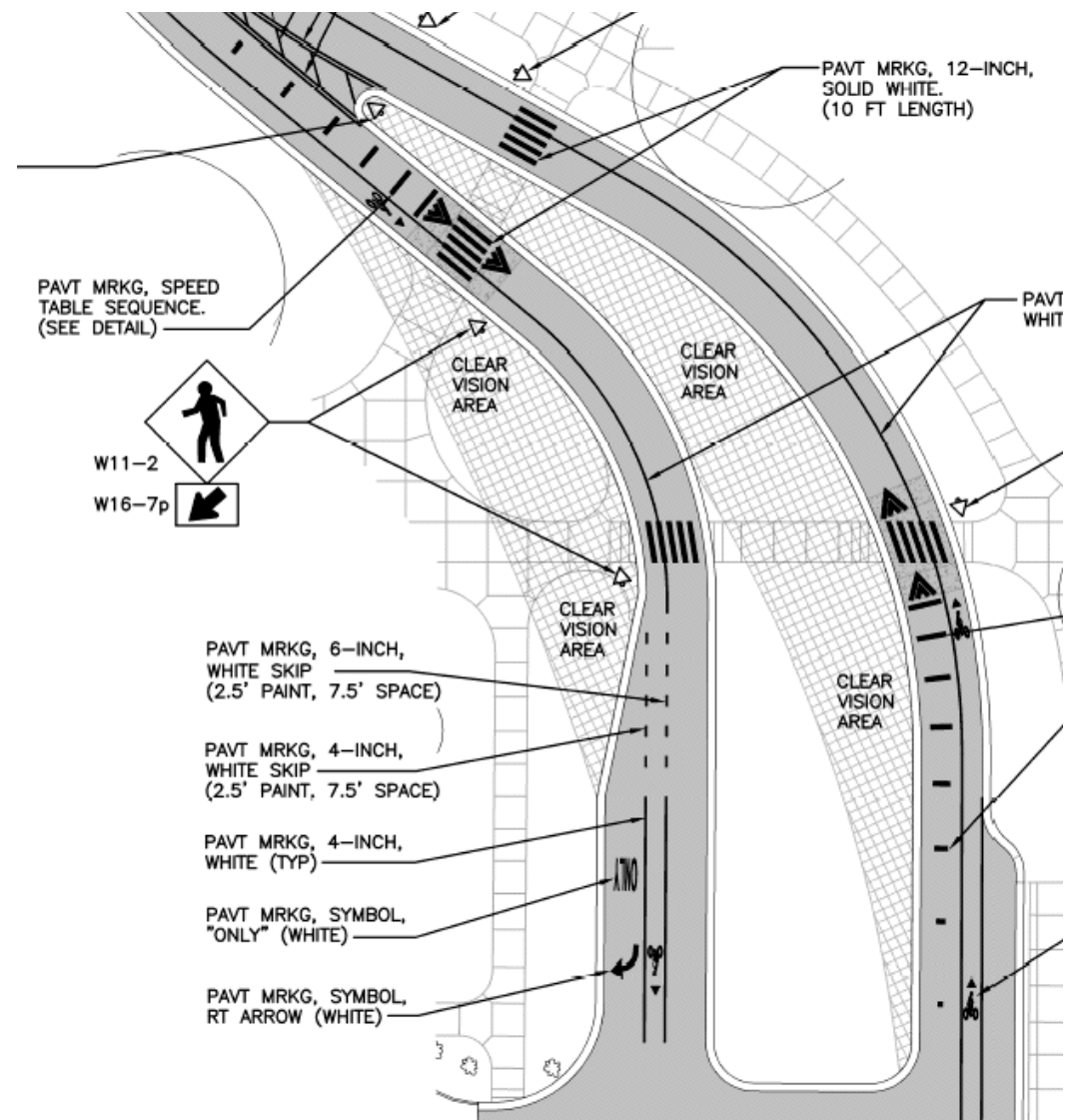


# Other Issues

ADA requirements  
Sight lines



# Clear Vision Areas





# Traffic signs

Bottom height  
Location  
Specially fabricated









Michigan State University





## Traffic Accidents at Auditorium and Farm Lane Intersection before and after traffic signal installation





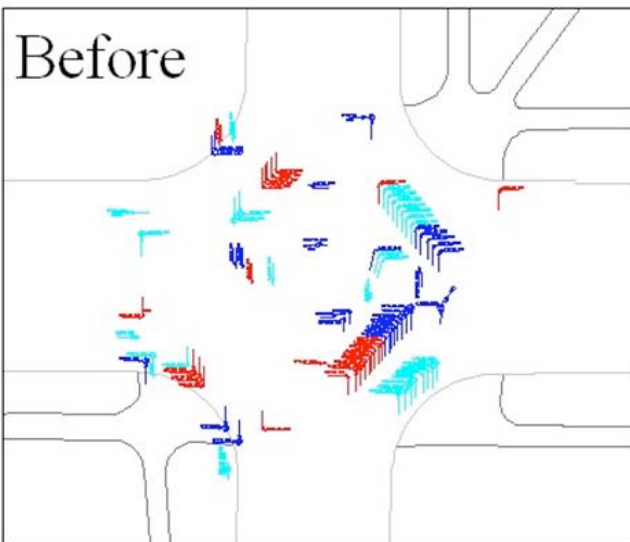
**Before**

**After**





## Traffic Accidents at Wilson and Farm Lane Intersection before and after traffic signal installation





**Before**

**After**



# Pedestrian signals

Auditory  
Count-down (Russia)  
Leading vs. Lagging left-turn phase



# Bus Stops

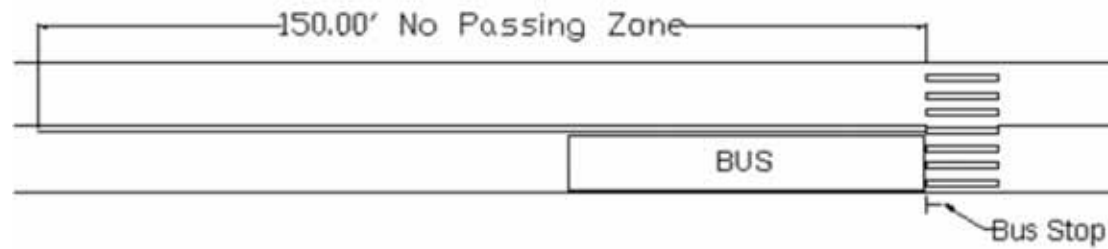
Field review

Protocol

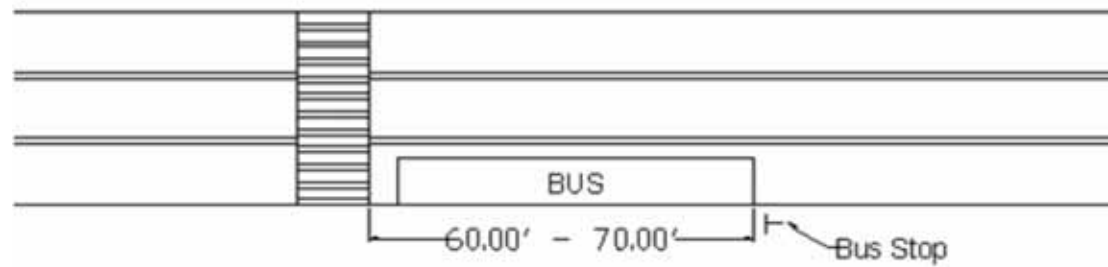




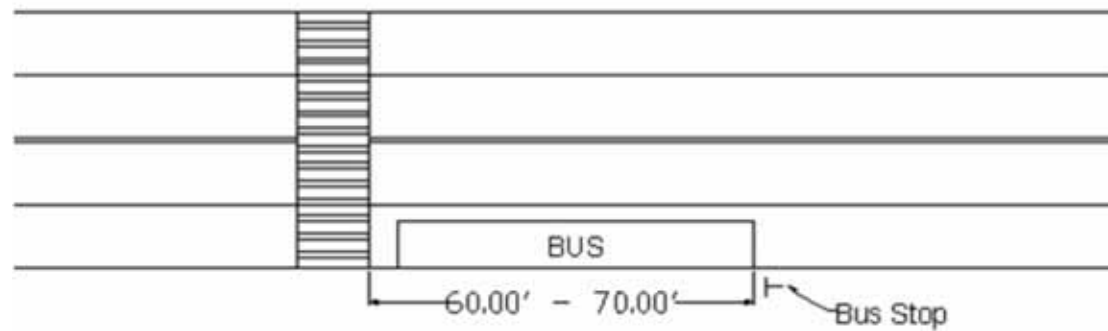
### 2 - lane // 2 - way



### 3 - lane // 2 - way



### 4 - lane // 2 - way and 1-way streets





# Parking lots

Parking ramps vs. Surface lots



# Ramps vs. Parking Surface Lots

**Parking Ramps**

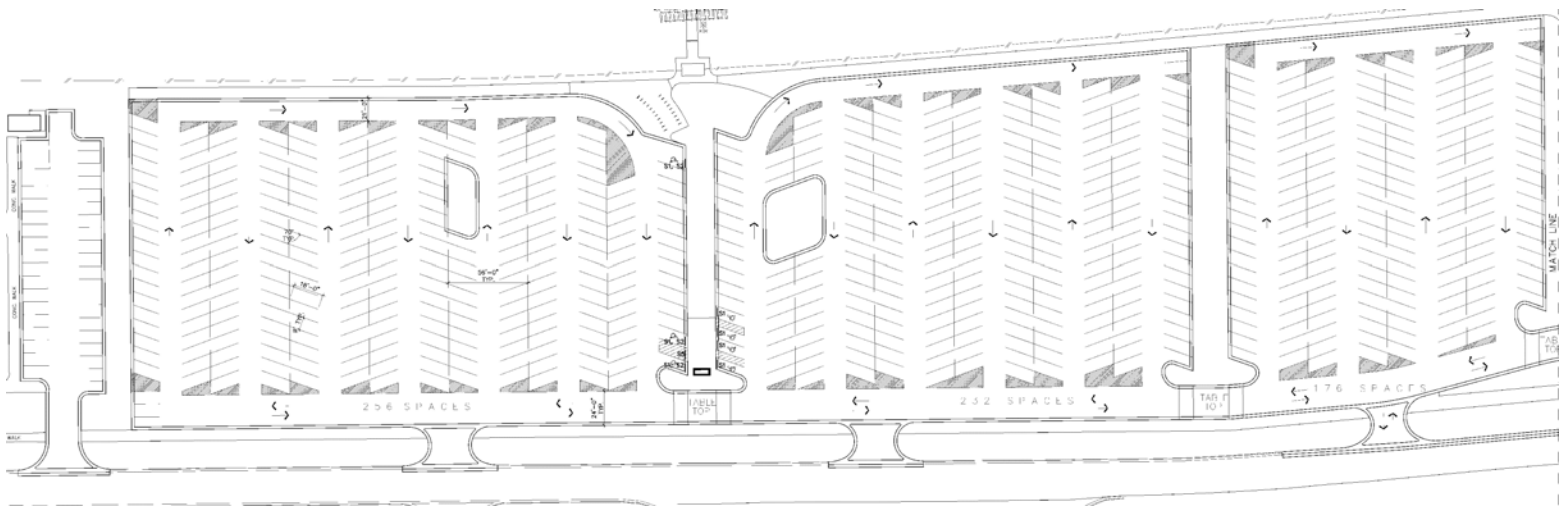
**Parking Lots**



## Before



## After





# Traffic Enforcement